

	Acute	Chronic	Acute	Chronic	Acute	Chronic
Copper	5.8	3.7	0.321	0.527	1.86	1.95

§ Using the most limiting (the lowest) LTA for each pollutant, WQBELs are calculated.

Average monthly effluent limitations (AMELs) and maximum daily effluent limitations (MDELs) are calculated by multiplying the most limiting LTA for each pollutant times a multiplier that accounts for averaging periods and exceedance frequencies of the effluent limitations, and the effluent monitoring frequency. Here, the CV was set equal to the default value of 0.6 (CV = 0.6) and, in the case of the AMEL, the sampling frequency was set equal to 4 (n = 4). A 99th percentile occurrence probability was used to determine the MDEL multiplier and a 95th percentile occurrence probability was used to determine the AMEL multiplier. From Table 5-2 of the TSD, the MDEL multiplier is 3.11, and the AMEL multiplier is 1.55. Final WQBELs for chlorine and copper are determined as follows.

Chlorine Effluent Limitations - Fresh and Marine Water					
	LTA	MDEL Multiplier	AMEL Multiplier	MDEL (:g/L)	AMEL (:g/L)
Fresh Water	5.80	3.11	1.55	18	9.0
Marine Water	3.95	3.11	1.55	12	6.1

Chlorine Effluent Limitations - Fresh Water					
Receiving Water Hardness (mg/L CaCO <sub>3</sub> )	LTA	MDEL Multiplier	AMEL Multiplier	MDEL (:g/L)	AMEL (:g/L)
20	1.25	3.11	1.55	3.9	1.9
30	1.83	3.11	1.55	5.7	2.8

40	2.41	3.11	1.55	7.5	3.7
50	2.95	3.11	1.55	9.2	4.6
75	4.49	3.11	1.55	14	7.0
100	5.78	3.11	1.55	18	9.0
150	8.35	3.11	1.55	26	13
200	10.9	3.11	1.55	34	17
250	13.5	3.11	1.55	42	21

Chlorine Effluent Limitations - Marine Water					
	LTA	MDEL Multiplier	AMEL Multiplier	MDEL (:g/L)	AMEL (:g/L)
Cooper	1.86	3.11	1.55	5.8	2.9